ISO 10924-2:2025-04 (E)

Road vehicles - Circuit breakers - Part 2: Guidance for users

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 General 1

4.1 Overview 1

4.2 Circuit breaker nominal voltage 2

4.3 Supply voltage maximum, U_{Smax} 2

4.4 Rated current, I_R, and continuous current 2

5 Current and conductors (cables) 3

6 Current and contact resistance 4

7 Current and ambient temperature 4

8 Cable protection: temperature versus current characteristics 5

9 Selectivity 7

10 Replacement of circuit breakers 8

11 Voltage peaks during opening of circuit breakers 8

12 Inrush withstand characteristics of circuit breakers 8

13 Electromagnetic compatibility (EMC) 9

14 Raw material 9

Annex A (informative) **Selection procedure for circuit breakers and cables** 10

Annex B (informative) **Selection of circuit breakers** 24

Annex C (informative) **Ambient temperature influence** 25

Bibliography 26